



Planetary Analog Site Evaluation Card

Last Rated: 01 Nov 2007 (J, Matthews, D.Magruder,
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SITE Kelso Dunes – Southern CA

POC Mojave National Preserve
E-mail: **Tel:** 760-252-6100

LOCATION **Country:** USA **State:** California
Coordinates: 34°48'N, 115°43'W **Elevation:** 1000ft.
Nearest Airfield: Las Vegas, NV **Distance:** 75 miles
Map:



DESCRIPTION:

Environment: Devil's Playground
Facility: N/A
Crew: N/A
Experiments: N/A
Vehicles: N/A
Open: Year-round

HISTORY

NASA Involvement: No prior involvement

External Partners: N/A

FIGURES OF MERIT

Site value: 1 (low) to 5 (high)

Aspect	Details	Comment	1-5
EXPLORATION			
Environment	T, P, RH, Insolation, Radiation,...	Mojave Desert	
Topography	Available Area / Traverse Range	>1sq. mi.	3
	Slopes		5
Terrain	Block/Particle Size & Shape Distrib.	Loose sand	2
	Physical Properties	uncompacted	3
	Vegetation	varied	3
Subsurface	Structure (Layered, Massive,...)		
SCIENCE			
Geology	Composition (Mineral., Geochem.)		
	Features (Surface, Subsurface)	Playa	3
	Processes (Impact, Volcanism,...)		
Biology	Astrobiology (Extremophiles,...)		
ACCESS			
Logistics	Airport (Major)	Las Vegas 2h away	3
	Road	graded dirt road	3
	Logistics Infrastructure Base Site	N/A	1
	Water & Food	Baker, CA (20 miles)	3
	Power	N/A	
	Comms	N/A	
	Lodging	Baker, CA (20 miles)	3
	Vehicles	SUVs, Rental OK	3
	Waste Disposal	no on site service	2
	Weather (T Range, Rain?)	60,70<T<80,100 F	3
Safety	Search & Rescue	N/A	2
	Medical Support, Hospital	Barstow, CA (80 miles)	2
Security	Controlled Access	Public access	2
E/PO - PA	Education	N/A	
	Public Outreach - Visual Appeal	N/A	
	Media	N/A	
Permits	Access & Land Use Permits	BLM	3
Partners	Partner Organizations / Leveraging	N/A	1
References	Maps, GIS Data, Publications	Well documented	4

EVALUATION SUMMARY

Closed to all mechanized travel. Non-secure, public access. No on-site infrastructure. Dry weather. Low cost.